

## **REMARKS**

Claims 1-7 are pending in the above-identified application, of which claims 6 and 7 are withdrawn from consideration. Claims 1-5 were rejected. With this Amendment, claim 1 was amended,

## **Objection To Claims**

Claims 1-5 were objected to because they were purportedly unclear. Applicant has amended the claims to address the Examiner's concerns and requests withdrawal of this objection.

## **35 U.S.C. § 102 Anticipation Rejection of Claims**

Claims 1-3 and 5 were rejected under 35 U.S.C. § 102(e) as being anticipated by *Ohara* (U.S. Patent No. 6,924,553). Applicants respectfully traverse this rejection.

As amended, claim 1, recites "a first insulating layer", "a conductor portion formed on a surface of the first insulating layer", "a conductive projection joined to a top surface of the conductor portion which is formed on a surface of an insulating layer", and "a second insulating layer formed on the surface of the first insulating layer." Claim 1 further recites "a resin material extending from the conductive projection to another conductive projection" where a portion of the resin material surrounds "a root portion of the conductive projection in a ring form" and the resin material is "of a different material than the second insulating material."

Applicants submit that the cited art does not disclose the elements of claim 1. In particular, *Ohara* does not teach or suggest "a second insulating layer formed on the surface of the first insulating layer" and that a portion of a resin material surrounds "a root portion of the conductive projection in a ring form" where the resin material is "of a different material than the second insulating material." *Ohara*, by contrast, teaches only that an insulating layer may be

formed around and above a portion of a conductive pad. There is no disclosure of a separate resin material forming a ring around a conductive projection. Accordingly, Applicants respectfully submit that claim 1 is allowable over *Ohara*.

**35 U.S.C. § 103 Obviousness Rejection of Claims**

Claim 4 was rejected under 35 U.S.C. § 103(a) as being unpatentable over *Ohara* as applied to claim 1 above. Applicants respectfully submit that this claim is allowable for the same reasons as discussed for claim 1 above.

Claims 1-4 were also rejected under 35 U.S.C. 103(a) as being unpatentable over *Tanaka* (U.S. Patent No. 6,599,390). Claim 5 was rejected under 35 U.S.C. 103(a) as being unpatentable over *Tanaka* as applied to claim 1 above, and further in view of *Kurita et al.* (U.S. Patent No. 6,799,711). Applicants also respectfully traverse these rejections.

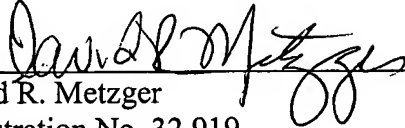
As noted above, claim 1 recites "a first insulating layer", "a conductor portion formed on a surface of the first insulating layer", "a conductive projection joined to a top surface of the conductor portion which is formed on a surface of an insulating layer", and "a second insulating layer formed on the surface of the first insulating layer." Claim 1 further recites "a resin material extending from the conductive projection to another conductive projection" where a portion of the resin material surrounds "a root portion of the conductive projection in a ring form" and the resin material is "of a different material than the second insulating material."

*Tanaka* does not disclose these elements, and in particular, does not teach or suggest "a resin material extending from the conductive projection to another conductive projection, a portion of the resin material surrounding a root portion of the conductive projection in a ring form, the resin material being of a different material than the second insulating material." Accordingly, Applicant submits that claim 1-4 are allowable over *Tanaka*.

In view of the foregoing, Applicants submit that the application is in condition for allowance. Notice to that effect is requested.

Respectfully submitted,

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By:   
David R. Metzger  
Registration No. 32,919  
SONNENSCHN NATH & ROSENTHAL LLP  
P.O. Box 061080  
Wacker Drive Station, Sears Tower  
Chicago, Illinois 60606-1080  
(312) 876-8000